

PHILIP MORRIS U. S. A.

INTER - OFFICE CORRESPONDENCE

Richmond, Virginia

To: Mr. Richard A. Thesing  
From: Daniel P. Lisbon  
Subject: Accomplishments for 1989

Date: January 10, 1990

I. SPECIAL INVESTIGATIONS AND METHODS DEVELOPMENT

A. Agema Thermovision Peak Coal Temperature

Objective: To assist Ms. Barbara Joyner in her efforts to assemble hardware, understand the software and bring the instrument on-line.

Results: Successfully assisted Ms. Barbara Joyner with the assembling of the hardware of the Agema Thermovision System, mastering of the specific software needs, and total integration of the system to the needs of CTSD.

B. Carbon Analysis

Objective: To devise an alternative method to analyze carbon in filter plugs.

Results: Along with Ms. Nancy Ryan, an alternate method to analyze carbon in filter plugs, with the intent to reduce sample time and increase accuracy, was thoroughly investigated. The results of our findings are documented in a report titled, "Investigation of Carbon Analysis in Filter Plugs."

C. Firmness

Objective: To establish a calibration standard via silicone or other suitable material with three different hardness values (3.5 mm, 3.0 mm and 2.5 mm). Qualities desired in the material are insensitive to moisture and reproducibility of firmness values over a 6-12 month period.

Results: A calibration standard was requested which would be reproducible over a 6-12 month period. Currently, calibration standards are available which are reproducible for a three month period.

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## II. PRESENTATIONS, MEMOS AND REPORTS

### A. Project Meeting

Along with Ms. Barbara Joyner, delivered a formal presentation of the Agema Thermovision 870 system emphasizing its capability, efficiency and versatility.

### B. Information Update to R&D Management

Presented the Agema Thermovision 870 system to the upper management of R&D.

### C. Memos

1. Memo to R. A. Thesing, "Calibration Update," July 24.
2. Memo to R. A. Thesing, "Evaluation of New Silicone Material," August 9.
3. Memo to D. Snead, "Firmness Study Over Time," August 14.
4. Memo to N. Ryan, "Air Drying Technique for Carbon Analysis," September 8.
5. Memo to R. A. Thesing, "Marlboro and Winston: Smoking Parameters," September 14.
6. Memo to R. A. Thesing, "Status of Calibration of Firmness Instrument," September 28.
7. Memo to R. A. Thesing, "Collaborative Firmness Study," October 10.
8. Memo to J. P. Mussini, "Firmness/Silicone Gauges," October 20.
9. Memo to R. A. Thesing, "Status of Firmness Calibration," November 7.
10. Memo to Dr. J. Lewis, B. Mait and R. Thesing, "Training (RS/1)," December 15.
11. Memo to K. Hughes and D. Snead, "Collaborative Firmness Study," December 15.

## III. CAREER DEVELOPMENT

### A. Continuing Education

Successfully completed the four credit course, Instrumental Methods of Analysis, at Virginia Commonwealth University. This class is part of the requirements for the masters program.

B. Saturday Seminars

Successfully completed the seminar title "How to Manage your Career" at the University of Richmond.

C. Cross-training

Objective: To be introduced to the three areas of CTSD, understand their operation, and be able to perform their functions.

Status: Successfully completed training in all areas of CTSD; Cigarette Information (Barbara Mait), Analytical Chemistry (Jane Lewis), and Cigarette & Tobacco Properties (Richard Thesing). In addition to CTSD, training was successfully completed in Semiworks (Doug Albertson).

D. Industry Monitor

Participated in the production, on-line testing, and canning of Industry Monitor #13.

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